

Claims

1    1. (Currently amended) A method for integrating a third-party system with  
2       an online meeting system, the method comprising:

3               providing a service provider interface (SPI) defining a plurality of  
4       procedures for communicating with a meeting services application of the  
5       online meeting system;

6               implementing one of the procedures of the SPI in a third-party  
7       software module of the third-party system, the third-party software  
8       module performing, when executed, a meeting-related operation  
9       customized in accordance with the third-party system;

10               installing the third-party software module as a plug-in to the  
11       meeting services application; and

12               receiving, from the meeting services application, a call to the  
13       implemented SPI procedure of the installed third-party software module  
14       to perform the meeting-related operation, thereby integrating the  
15       meeting-related operation, customized in accordance with the third-party  
16       system, into the online meeting system.

1    2. (Original) The method of claim 1, wherein the called SPI procedure  
2       notifies the software module of a proposed transaction of an event in the  
3       online meeting system to enable the software module to perform the  
4       meeting-related operation before the event occurs.

1    3. (Original) The method of claim 2, further comprising prohibiting the  
2       occurrence of the event in response to performing the meeting-related  
3       operation implemented by the called SPI procedure.

- 1 4. (Original) The method of claim 3, further comprising redirecting by the  
2 called SPI procedure a user of the online meeting system to an error page  
3 in response to prohibiting the event.
  
- 1 5. (Previously presented) The method of claim 2, further comprising  
2 modifying meeting-related information associated with the proposed  
3 transaction of an event in response to performing the meeting-related  
4 operation implemented by the called SPI procedure.
  
- 1 6. (Original) The method of claim 1, wherein the called SPI procedure  
2 notifies the software module of an event that has occurred in the online  
3 meeting system to enable the software module to perform the meeting-  
4 related operation in response to the occurrence of that event.
  
- 1 7. (Original) The method of claim 1, further comprising installing a new  
2 software module that implements one of the SPI procedures, and  
3 dynamically integrating the new software module to the meeting services  
4 application without stopping the online meeting system.
  
- 1 8. (Previously presented) The method of claim 1, wherein the call to the  
2 implemented SPI procedure occurs in response to receiving a user  
3 request to create, edit, or delete a meeting.
  
- 1 9. (Previously presented) The method of claim 1, wherein the call to the  
2 implemented SPI procedure occurs in response to detecting a state  
3 change of a running meeting.
  
- 1 10. (Previously presented) The method of claim 1, further comprising defining  
2 a first class that implements the SPI and a second class that extends the  
3 first class and implements the called SPI procedure that performs the  
4 customized meeting-related operation.

- 1    11. (Currently amended) An online meeting system, comprising a server  
2    system having memory for storing program code and a processor for  
3    executing the program code, the program code including:  
  
4                 a meeting services application for providing online meeting services  
5                 for users communicating with the online meeting system over a network  
6                 connection;  
  
7                 a service provider interface (SPI) defining a plurality of procedures  
8                 for communicating with the meeting services application; and  
  
9                 a third-party software module of a third-party system  
10          implementing one of the procedures of the SPI to perform a meeting-  
11          related operation customized in accordance with the third-party system  
12          when the procedure is called by the meeting services application, the  
13          third-party software module being installed in the memory as a plug-in to  
14          the meeting services application.
  
- 1    12. (Original) The online meeting system of claim 11, wherein the  
2    implemented SPI procedure, when called, notifies the software module of  
3    a proposed transaction of an event in the online meeting system to  
4    enable the software module to perform the meeting-related operation  
5    before the event occurs.
  
- 1    13. (Original) The online meeting system of claim 12, wherein the  
2    implemented SPI procedure includes program code for throwing an  
3    exception to prohibit the occurrence of the event in response to  
4    performing the meeting-related operation.
  
- 1    14. (Original) The online meeting system of claim 11, wherein the called SPI  
2    procedure notifies the software module of an event that has occurred in

3       the online meeting system to enable the software module to perform the  
4       meeting-related operation in response to the occurrence of that event.

1     15. (Original) The online meeting system of claim 11, wherein the server  
2       system includes a means of storing software modules to be integrated in  
3       the online meeting system, and wherein the meeting services application  
4       periodically accesses the storage means to install dynamically any  
5       software module newly added to the storage means without stopping the  
6       online meeting system.

1     16. (Original) The online meeting system of claim 11, further comprising  
2       program code defining a first class that implements the plurality of  
3       procedures of the SPI and a second class that extends the first class and  
4       provides a customized implementation of one of the SPI procedures  
5       defined in the first class.

1     17. (Currently amended) An apparatus for integrating a third-party system  
2       with an online meeting system, the apparatus comprising:

3              means for providing a service provider interface (SPI) defining a  
4       plurality of procedures for communicating with a meeting services  
5       application of the online meeting system;

6              means for implementing one of the procedures of the SPI in a  
7       third-party software module of the third-party system, the third-party  
8       software module performing, when executed, a meeting-related operation  
9       customized in accordance with the third-party system, the third-party  
10      software module being installed as a plug-in to the meeting services  
11      application; and

12        means for receiving, from the meeting services application, a call to  
13       the implemented SPI procedure of the third-party software module to  
14       perform the meeting-related operation, and thereby to integrate the

15 meeting-related operation, customized in accordance with the third-party  
16 system, into the online meeting system.

1 18. (Previously presented) The apparatus of claim 17, wherein the means for  
2 receiving the call to the implemented SPI procedure includes means for  
3 notifying the software module of a proposed transaction of an event in  
4 the online meeting system to enable the software module to perform the  
5 meeting-related operation before the event occurs.

1 19. (Previously presented) The apparatus of claim 18, wherein the means for  
2 receiving the call to the implemented SPI procedure includes means for  
3 prohibiting the occurrence of the event in response to performing the  
4 meeting-related operation.

1 20. (Original) The apparatus of claim 17, further comprising means for  
2 defining a first class that implements the plurality of procedures of the  
3 SPI and a second class that extends the first class and provides a  
4 customized implementation of one of the SPI procedures defined in the  
5 first class.

1 21. (Currently amended) A computer program product for use with a  
2 computer system, the computer program product comprising a computer  
3 readable storage medium having embodied therein program code  
4 comprising:

5 program code for providing a service provider interface (SPI)  
6 defining a plurality of procedures for communicating with a meeting  
7 services application of an online meeting system;

8 program code for implementing one of the procedures of the SPI in  
9 a third-party software module of a third-party system, the third-party  
10 software module performing, when executed, a meeting-related operation

11        customized in accordance with the third party system, the third-party  
12        software module being installed as a plug-in to the meeting services  
13        application; and

14        program code for receiving, from the meeting services application,  
15        a call to the implemented SPI procedure of the third-party software  
16        module to perform the meeting-related operation, and thereby to  
17        integrate the meeting-related operation, customized in accordance with  
18        the third-party system, into the online meeting system.

1        22. (Currently amended) The computer program product of claim 21, wherein  
2        the program code for ~~for~~ receiving the call to the implemented SPI  
3        procedure includes program code for notifying the software module of a  
4        proposed transaction of an event in the online meeting system to enable  
5        the software module to perform the meeting-related operation before the  
6        event occurs.

1        23. (Currently amended) The computer program product of claim 22, wherein  
2        the program code for ~~for~~ receiving the call to the implemented SPI  
3        procedure includes program code for prohibiting the occurrence of the  
4        event in response to performing the meeting-related operation.

1        24. (Original) The computer program product of claim 21, further comprising  
2        program code for defining a first class that implements the plurality of  
3        procedures of the SPI and a second class that extends the first class and  
4        provides a customized implementation of one of the SPI procedures  
5        defined in the first class.

1        25-28. (Canceled)